

ABSTRACT OF THE DISCLOSURE

A voltage boost system that prevents power consumption from increasing. The voltage boost system has a load device including a high potential power supply terminal and a low potential power supply terminal. A power supply generates a first potential by that is greater than a ground potential. A voltage booster is connected to the power supply to increase the first potential and generate a second potential that is greater than the first potential. The second potential of the voltage booster is provided to the high potential power supply terminal of the load device, and the first potential of the power supply is provided to the low potential power supply terminal of the load device.